

**Flood Control Project Maintenance  
Levee Inspections**

## 2013 Channel Summary Report

### Overall Unit and Item Ratings

## Merced Streams Group

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**Bear Creek**

Overall Unit Rating	Rated Item	Item Rating
<b>M</b>	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	M
	Revetments & Other Structural Appurtenances	M
	Encroachments	A

**Black Rascal Creek**

Overall Unit Rating	Rated Item	Item Rating
<b>M</b>	Vegetation & Obstructions	M
	Shoaling / Sedimentation	M
	Erosion / Bank Caving	M
	Revetments & Other Structural Appurtenances	A
	Encroachments	M

**Burns Creek**

Overall Unit Rating	Rated Item	Item Rating
<b>A</b>	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments & Other Structural Appurtenances	N
	Encroachments	A

**Mariposa Creek & Duck Slough**

Overall Unit Rating	Rated Item	Item Rating
<b>M</b>	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	M
	Revetments & Other Structural Appurtenances	A
	Encroachments	A

**Miles Creek**

Overall Unit Rating	Rated Item	Item Rating
<b>A</b>	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments & Other Structural Appurtenances	A
	Encroachments	A

**Owens Creek**

Overall Unit Rating	Rated Item	Item Rating
<b>A</b>	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments & Other Structural Appurtenances	A
	Encroachments	M

**Flood Control Project Maintenance****Unit Cover Sheet****2013 Channel Inspection Results****Merced Streams Group**

Channel
Bear Creek

Channel Rating	<b>M</b>
Date of Inspection	07/18/2013 - 07/19/2013
DWR Inspector	Herman Phillips
Accompanied By	

**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel					Channel Length	Inspection Start/End	Inspector
Bear Creek					21.00	07/18/2013 07/19/2013	Herman Phillips

  

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
1	Bonner Rd	Up	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	37.336900 ° -120.311100 °	Y	1
2		Up	Shoaling / Sedimentation		A	Inspector Comments: Tullies present on shoal and both banks.	37.336900 ° -120.311100 °		2
3		Up	Erosion / Bank Caving		A	Inspector Comments: Did not notice any erosion at this location during this inspection.	37.336900 ° -120.311100 °		3
4		Up	Revetments		N	Inspector Comments: No rip rap on banks at this location.	37.336900 ° -120.311100 °		4
5		Up	Encroachments		A	Inspector Comments: No encroachments at this location.	37.336900 ° -120.311100 °		5
6		Down	Vegetation & Obstructions		A	Inspector Comments: There is a little growth in the channel, flow is not diverted.	37.336900 ° -120.311100 °	Y	6
7		Down	Shoaling / Sedimentation		M	Inspector Comments: Non-aquatic grasses present on shoal. No trees or brush is present on shoal, and channel flow is not impeded.	37.336900 ° -120.311100 °		7
8		Down	Erosion / Bank Caving		M	Inspector Comments: The main channel here at this location is rather wide only the pilot channel has water about 300 yards from bridge crossing has some erosion to the left bank of channel.	37.336900 ° -120.311100 °		8
9		Down	Revetments		N	Inspector Comments: This item does not apply to this inspection.	37.336900 ° -120.311100 °		9
10		Down	Encroachments		A	Inspector Comments: No encroachments at this location.	37.336900 ° -120.311100 °		10
11	Arboleda Dr	Up	Vegetation & Obstructions		M	Inspector Comments: There is vegetation building up on the right bank of the channel and some growth in the channel downstream of bridge crossing.	37.311970 ° -120.415350 °	Y	21
12		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling at this location.	37.311970 ° -120.415350 °		22
13		Up	Erosion / Bank Caving		A	Inspector Comments: No erosion encroaching into the channel bank that would endanger the capacity of the channel was observed.	37.311970 ° -120.415350 °		23

**\* Location**

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N : Not Inspected, see Inspector Comment  
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Channel					Channel Length	Inspection Start/End	Inspector
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LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
14		Up	Revetments		N	Inspector Comments: No rip rap at this location that I could see during this inspection.	37.311970 ° -120.415350 °		24
15		Up	Encroachments		A	Inspector Comments: No encroachments present.	37.311970 ° -120.415350 °		25
16		Down	Vegetation & Obstructions		M	Inspector Comments: Wild growth on both banks of the Bear Creek.	37.311970 ° -120.415350 °	Y	26
17		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.311970 ° -120.415350 °		27
18		Down	Erosion / Bank Caving		M	Inspector Comments: Unable to see banks due to wild growth.	37.311970 ° -120.415350 °		28
19		Down	Revetments		M	Inspector Comments: Dense brush prohibits view of banks, unable to see if any revetment at this location.	37.311970 ° -120.415350 °		29
20		Down	Encroachments		A	Inspector Comments: No encroachment noted at this location.	37.311970 ° -120.415350 °		30
21	Kibby Rd	Up	Vegetation & Obstructions		A	Inspector Comments: Vegetation present on both banks.	37.312200 ° -120.415000 °	Y	31
22		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling at this location.	37.312200 ° -120.415000 °		32
23		Up	Erosion / Bank Caving		A	Inspector Comments: No head cutting or horizontal deviation observed.	37.312200 ° -120.415000 °		33
24		Up	Revetments		N	Inspector Comments: This item does not apply to this inspection.	37.312200 ° -120.415000 °		34
25		Up	Encroachments		A	Inspector Comments: No encroachment present at this location.	37.312200 ° -120.415000 °		35
26		Down	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	37.312200 ° -120.415000 °	Y	36
27		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.312200 ° -120.415000 °		37

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Channel					Channel Length	Inspection Start/End	Inspector
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LMR No.	Check Point	View	Item	Location *	Rating **	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
28		Down	Erosion / Bank Caving		U	Inspector Comments: Apparent head cutting and horizontal deviation of more than 1 foot from designed grade or cross section. Corrective actions required to stop or slow erosion.	37.312200 ° -120.415000 °	Y	38
29		Down	Revetments		U	Inspector Comments: In the area of erosion there was not enough revetment protecting the banks. Very little is shown in photo upstream of the damaged area.	37.312200 ° -120.415000 °		39
30		Down	Encroachments		A	Inspector Comments: No encroachments at this location.	37.312200 ° -120.415000 °		40
31	McKee Rd	Up	Vegetation & Obstructions		A	Inspector Comments: There is an existence of vegetation present on both banks flow is not diverted.	37.309600 ° -120.444500 °	Y	41
32		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.309600 ° -120.444500 °		42
33		Up	Erosion / Bank Caving		U	Inspector Comments: Apparent head cutting and horizontal deviation of more than 1 foot from designed grade or cross section. Corrective actions required to stop or slow erosion.	37.309600 ° -120.444500 °	Y	43
34		Up	Revetments		N	Inspector Comments: This item does not apply to this inspection.	37.309600 ° -120.444500 °		44
35		Up	Encroachments		A	Inspector Comments: No Encroachments at this location.	37.309600 ° -120.444500 °		45
36		Down	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	37.309600 ° -120.444500 °	Y	46
37		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.309600 ° -120.444500 °		47
38		Down	Erosion / Bank Caving		U	Inspector Comments: Apparent head cutting and horizontal deviation of more than 1 foot from designed grade or cross section. Corrective actions required to stop or slow erosion. No new picture was taken 2013.	37.309600 ° -120.444500 °		48
39		Down	Revetments		M	Inspector Comments: There is very little revetment at this location.	37.309600 ° -120.444500 °		49
40		Down	Encroachments		A	Inspector Comments: No encroachments at this location.	37.309600 ° -120.444500 °		50

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LMR No.	Check Point	View	Item	Location *	Rating **	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
41	R St	Up	Vegetation & Obstructions		A	Inspector Comments: The channel is clear of vegetation no obstructions.	37.313400 ° -120.487500 °	Y	51
42		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.313400 ° -120.487500 °		52
43		Up	Erosion / Bank Caving		A	Inspector Comments: No head cutting or horizontal deviation observed.	37.313400 ° -120.487500 °		53
44		Up	Revetments		N	Inspector Comments: There is no revetment at this location and is not needed.	37.313400 ° -120.487500 °		54
45		Up	Encroachments		A	Inspector Comments: No Trash, debris, excavation, structures, or other obstructions present within the project easement area.	37.313400 ° -120.487500 °		55
46		Down	Vegetation & Obstructions		A	Inspector Comments: No vegetation in the channel.	37.313400 ° -120.487500 °	Y	56
47		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.313400 ° -120.487500 °		57
48		Down	Erosion / Bank Caving		A	Inspector Comments: No erosion observed during this inspection.	37.313400 ° -120.487500 °		58
49		Down	Revetments		N	Inspector Comments: No revetment at this location.	37.313400 ° -120.487500 °		59
50		Down	Encroachments		A	Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.	37.313400 ° -120.487500 °		60
51	Franklin Rd	Up	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	37.311400 ° -120.541000 °	Y	61
52		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.311400 ° -120.541000 °		62
53		Up	Erosion / Bank Caving		A	Inspector Comments: No head cutting or horizontal deviation observed.	37.311400 ° -120.541000 °		63
54		Up	Revetments		N	Inspector Comments: This item does not apply to this inspection.	37.311400 ° -120.541000 °		64

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Channel				Channel Length	Inspection Start/End	Inspector
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LMR No.	Check Point	View	Item	Location *	Rating **	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
55		Up	Encroachments		A	Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.	37.311400 ° -120.541000 °		65
56		Down	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	37.311400 ° -120.541000 °	Y	66
57		Down	Shoaling / Sedimentation		M	Inspector Comments: Non-aquatic grasses present on shoal. No trees or brush is present on shoal, and channel flow is not impeded.	37.311400 ° -120.541000 °		67
58		Down	Erosion / Bank Caving		M	Inspector Comments: No head cutting or horizontal deviation observed.	37.311400 ° -120.541000 °	Y	68
59		Down	Revetments		N	Inspector Comments: There is no revetment at this location and is not needed.	37.311400 ° -120.541000 °		69
60		Down	Encroachments		A	Inspector Comments: No encroachments.	37.311400 ° -120.541000 °		70
61	Hwy 140	Up	Vegetation & Obstructions		A	Inspector Comments: No vegetation present in channel at this location.	37.302500 ° -120.551500 °	Y	71
62		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.302500 ° -120.551500 °		72
63		Up	Erosion / Bank Caving		A	Inspector Comments: No erosion observed during this inspection.	37.302500 ° -120.551500 °		73
64		Up	Revetments		N	Inspector Comments: There is no revetment at this location and is not needed.	37.302500 ° -120.551500 °		74
65		Up	Encroachments		A	Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.	37.302500 ° -120.551500 °		75
66		Down	Vegetation & Obstructions		M	Inspector Comments: Log jams, snags, vegetation growth (such as cat tails, bull rushes, bushes or saplings) or other obstructions block approximately 25% of the FCW.	37.302500 ° -120.551500 °	Y	76

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Channel Inspections**

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### Merced Streams Group

Channel					Channel Length	Inspection Start/End	Inspector
Bear Creek					21.00	07/18/2013 07/19/2013	Herman Phillips

  

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
67		Down	Shoaling / Sedimentation		M	Inspector Comments: Non-aquatic grasses present on shoal. No trees or brush is present on shoal, and channel flow is not impeded.	37.302500 ° -120.551500 °		77
68		Down	Erosion / Bank Caving		A	Inspector Comments: No erosion noted.	37.302500 ° -120.551500 °		78
69		Down	Revetments		N	Inspector Comments: There is no revetment at this location and is not needed.	37.302500 ° -120.551500 °		79
70		Down	Encroachments		A	Inspector Comments: No encroachments.	37.302500 ° -120.551500 °		80
71	Buhach Rd	Up	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	37.291200 ° -120.577900 °	Y	81
72		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling.	37.291200 ° -120.577900 °		82
73		Up	Erosion / Bank Caving		A	Inspector Comments: No erosion noted.	37.291200 ° -120.577900 °		83
74		Up	Revetments		N	Inspector Comments: There is no revetment at this location and is not needed.	37.291200 ° -120.577900 °		84
75		Down	Vegetation & Obstructions		M	Inspector Comments: Channel partially blocked by grasses and weeds.	37.291200 ° -120.577900 °	Y	86
76		Down	Shoaling / Sedimentation		M	Inspector Comments: Non-aquatic grasses present on shoal. No trees or brush is present on shoal, and channel flow is not impeded.	37.291200 ° -120.577900 °		87
77		Down	Erosion / Bank Caving		A	Inspector Comments: No head cutting or horizontal deviation observed.	37.291200 ° -120.577900 °		88
78		Down	Revetments		N	Inspector Comments: There is no revetment at this location and is not needed.	37.291200 ° -120.577900 °		89
79		Down	Encroachments		A	Inspector Comments: No encroachments at this location.	37.291200 ° -120.577900 °		90
80	Dickerson Ferry Rd	Up	Vegetation & Obstructions		M	Inspector Comments: Vegetation heavy with bamboo growth on left bank.	37.273000 ° -120.599700 °	Y	91

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LMR No.	Check Point	View	Item	Location *	Rating **	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
81		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.273000 ° -120.599700 °		92
82		Up	Erosion / Bank Caving		A	Inspector Comments: No erosion encroaching into the channel bank that would endanger the capacity of the channel was observed.	37.273000 ° -120.599700 °		93
83		Up	Revetments		N	Inspector Comments: No revetments are at this location.	37.273000 ° -120.599700 °		94
84		Up	Encroachments		A	Inspector Comments: No encroachments at this location.	37.273000 ° -120.599700 °		95
85		Down	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	37.273000 ° -120.599700 °	Y	96
86		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.273000 ° -120.599700 °		97
87		Down	Erosion / Bank Caving		U	Inspector Comments: Erosion present downstream from the bridge crossing on the left bank in the curve in view from bridge.	37.273000 ° -120.599700 °	Y	98
88		Down	Revetments		M	Inspector Comments: There was no revetment at this location due to the erosion in the area revetment is needed for protection.	37.273000 ° -120.599700 °		99
89		Down	Encroachments		A	Inspector Comments: No encroachments at this site.	37.273000 ° -120.599700 °		100
90	Bert Crane Rd	Up	Vegetation & Obstructions		A	Inspector Comments: No vegetation in channel at this crossing.	37.263000 ° -120.633300 °	Y	101
91		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.263000 ° -120.633300 °		102
92		Up	Erosion / Bank Caving		A	Inspector Comments: No erosion observed at this location.	37.263000 ° -120.633300 °		103
93		Up	Revetments		N	Inspector Comments: No revetment at this location.	37.263000 ° -120.633300 °		104
94		Up	Encroachments		A	Inspector Comments: No encroachments at this location.	37.263000 ° -120.633300 °		105

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LMR No.	Check Point	View	Item	Location *	Rating **	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
95		Down	Vegetation & Obstructions		A	Inspector Comments: There is no vegetation in channel that impedes the flow in channel.	37.263000 ° -120.633300 °	Y	106
96		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.263000 ° -120.633300 °		107
97		Down	Erosion / Bank Caving		A	Inspector Comments: No erosion encroaching into the channel bank that would endanger the capacity of the channel was observed.	37.263000 ° -120.633300 °		108
98		Down	Revetments		N	Inspector Comments: This item does not apply to this inspection.	37.263000 ° -120.633300 °		109
99		Down	Encroachments		A	Inspector Comments: No encroachments at this location.	37.263000 ° -120.633300 °		110

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Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
Looking upstream from Bonner Rd bridge crossing the Bear Creek. Photo taken 7-18-2013.	
phillips_c_20130807_104.JPG	



Levee Mile Report Line	6
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
Bonner Rd. crossing the Bear Creek. Photo taken 7-18-2013.	
phillips_c_20130807_105.JPG	



Levee Mile Report Line	11
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
Arboleda Dr. looking upstream of Bear Creek. Photo taken 7-18-2013.	
phillips_c_20130807_106.JPG	

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Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Arboleda Dr. crossing the Bear Creek. Photo taken 7-18-2013.

phillips\_c\_20130807\_107.JPG



Levee Mile Report Line	21
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Kibby Rd bridge crossing Bear Creek looking upstream. Photo taken 7-18-2013.

phillips\_c\_20130808\_108.JPG



Levee Mile Report Line	26
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Kibby Rd crossing the Bear Creek looking downstream. Photo taken 7-18-2013.

phillips\_c\_20130808\_109.JPG



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## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Bear Creek	21.00	07/18/2013 07/19/2013	Herman Phillips

Levee Mile Report Line	28
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Erosion / Bank Caving

Downstream frm Kibby Road bridge crossing left bank the erosion hasn't been repaired. Photo taken 7-18-2013.

phillips\_c\_20130808\_110.JPG



Levee Mile Report Line	31
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

McKee Rd crossing the Bear Creek. Photo taken 7-18-2013.

phillips\_c\_20130808\_111.JPG



Levee Mile Report Line	33
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Erosion / Bank Caving

Looking upstream right bank erosion reported last inspection not repaired. Photo taken 7-18-2013.

phillips\_c\_20130814\_112.JPG



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
PO : Partially Obstructing  
CO : Completely Obstructing  
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Bear Creek	21.00	07/18/2013 07/19/2013	Herman Phillips

Levee Mile Report Line	36
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Mckee Rd. Crossing the Bear Creek looking downstream. Photo taken 7-18-2013.

phillips\_c\_20130814\_113.JPG



Levee Mile Report Line	41
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Bear Creek looking upstream from R street bridge crossing. Photo taken 7-18-2013.

phillips\_c\_20130815\_114.JPG



Levee Mile Report Line	46
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking downstream from R street bridge the Bear Creek. Photo taken 7-18-2013.

phillips\_c\_20130815\_115.JPG



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C : Corrected

**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Bear Creek	21.00	07/18/2013 07/19/2013	Herman Phillips

Levee Mile Report Line	51
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Bear Creek looking upstream from Franklin Road crossing. Photo taken 7-18-2013.

phillips\_c\_20130815\_116.JPG



Levee Mile Report Line	56
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Bear Creek looking downstream from Franklin Rd crossing. Photo taken 7-30-2012.

phillips\_c\_20130618\_053.jpg



Levee Mile Report Line	56
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking downstream from the Franklin Road crossing Bear Creek. Photo taken 7-18-2013.

phillips\_c\_20130819\_117.JPG



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**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Bear Creek	21.00	07/18/2013 07/19/2013	Herman Phillips

Levee Mile Report Line	58
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Erosion / Bank Caving
Erosion noted on right bank downstream of the bridge. This is not a new erosion site. Photo taken 7-18-2013.	
phillips_c_20130819_120.JPG	



Levee Mile Report Line	61
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
Bear Creek looking upstream from Hwy 140 bridge crossing. Photo taken 7-18-2013.	
phillips_c_20130819_119.JPG	



Levee Mile Report Line	66
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
Bear Creek looking downstream from Hwy 140 bridge crossing, young willows and bambo present on both banks. Photo taken 7-18-2013.	
phillips_c_20130819_121.JPG	

**\* Location**

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**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Bear Creek	21.00	07/18/2013 07/19/2013	Herman Phillips

Levee Mile Report Line	71
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Bear Creek looking upstream from Buhach Rd crossing. Photo taken 7-18-2013.

phillips\_c\_20130819\_122.JPG



Levee Mile Report Line	75
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Bear Creek looking downstream from Buhach Rd. Photo taken 7-18-2013.

phillips\_c\_20130819\_123.JPG



Levee Mile Report Line	80
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Bear Creek looking upstream from Dickerson Ferry Rd bridge crossing. Photo taken 7-18-2013.

phillips\_c\_20130819\_124.JPG



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**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Bear Creek	21.00	07/18/2013 07/19/2013	Herman Phillips

Levee Mile Report Line	85
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Bear Creek looking downstream from Dickerson Ferry Rd. bridge crossing. Photo taken 7-18-2013.

phillips\_c\_20130819\_125.JPG



Levee Mile Report Line	87
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Erosion / Bank Caving

Bear Creek erosion on left bank downstream from Dickerson Ferry, this site has been reported in the past. Repairs should be done immediately. Photo taken 7-18-2013.

phillips\_c\_20130819\_126.JPG



Levee Mile Report Line	90
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Bert Crane Rd. crossing the Bear Creek looking upstream at channel. Photo taken 7-30-2012. No new photo was taken 7-18-2013.

phillips\_c\_20130618\_061.jpg



**\* Location**

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**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Bear Creek	21.00	07/18/2013 07/19/2013	Herman Phillips

Levee Mile Report Line	95
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Bert Crane Rd. Crossing the Bear Creek looking downstream. Photo taken 7-30-2012. No new photo taken at this location, 7-18-2013.

phillips\_c\_20130618\_062.jpg



**\* Location**

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N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance****Unit Cover Sheet****2013 Channel Inspection Results****Merced Streams Group**

Channel
Black Rascal Creek

Channel Rating	<b>M</b>
Date of Inspection	07/24/2013 - 07/30/2013
DWR Inspector	Herman Phillips
Accompanied By	

**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel					Channel Length	Inspection Start/End	Inspector
Black Rascal Creek					6.00	07/24/2013 07/30/2013	Herman Phillips

  

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
1	Santa Fe Dr	Up	Vegetation & Obstructions		A	Inspector Comments: Vegetation present along both banks and in the channel. Vegetation present along left bank at bridge.	37.320720 ° -120.508760 °	Y	1
2		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation during this inspection. 7-24-2013.	37.320720 ° -120.508760 °		2
3		Up	Erosion / Bank Caving		M	Inspector Comments: Unable to see banks for erosion due to the presence of heavy growth.	37.320720 ° -120.508760 °		3
4		Up	Revetments		N	Inspector Comments: Unable to see revetment at this location.	37.320720 ° -120.508760 °		4
5		Up	Encroachments		M	Inspector Comments: There is trash in channel under bridge, there is a community of homeless living in the brush and under the bridge at this location.	37.320720 ° -120.508760 °		5
6		Down	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	37.320720 ° -120.508760 °	Y	6
7		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling of sedimentation present.	37.320720 ° -120.508760 °		7
8		Down	Erosion / Bank Caving		A	Inspector Comments: No erosion present.	37.320720 ° -120.508760 °		8
9		Down	Revetments		N	Inspector Comments: Unable to see revetment during this inspection.	37.320720 ° -120.508760 °		9
10		Down	Encroachments		A	Inspector Comments: No encroachments in the channel downstream from bridge visible during inspection 7-24-2013.	37.320720 ° -120.508760 °		10
11	Crocker Dam	Up	Vegetation & Obstructions		A	Inspector Comments: No vegetation observed in channel at this location.	37.312200 ° -120.533000 °	Y	11
12		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.312200 ° -120.533000 °		12
13		Up	Erosion / Bank Caving		A	Inspector Comments: No erosion noticed during this inspection. 2013	37.312200 ° -120.533000 °		13

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**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel					Channel Length	Inspection Start/End	Inspector
Black Rascal Creek					6.00	07/24/2013 07/30/2013	Herman Phillips

  

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
14		Up	Revetments		N	Inspector Comments: No revetment at this location.	37.312200 ° -120.533000 °		14
15		Up	Encroachments		A	Inspector Comments: No encroachments observed during this inspection.	37.312200 ° -120.533000 °		15
16		Down	Vegetation & Obstructions		M	Inspector Comments: Wild growth present in channel and on both banks.	37.312200 ° -120.533000 °	Y	16
17		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.312200 ° -120.533000 °		17
18		Down	Erosion / Bank Caving		A	Inspector Comments: No erosion encroaching into the channel bank that would endanger the capacity of the channel was observed.	37.312200 ° -120.533000 °		18
19		Down	Revetments		A	Inspector Comments: No revetment observed during this inspection.	37.312200 ° -120.533000 °		19
20		Down	Encroachments		A	Inspector Comments: No trash, debris, excavation, structures or other obstructions present within the easement.	37.312200 ° -120.533000 °		20
21	Franklin Rd	Up	Vegetation & Obstructions		A	Inspector Comments: Minor vegetation in the channel. During the inspection on 7-30-2013 growth was observed on both banks but flow is not impeded.	37.314050 ° -120.541078 °	Y	21
22		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.314050 ° -120.541078 °		22
23		Up	Erosion / Bank Caving		A	Inspector Comments: There was no erosion observed during this inspection.	37.314050 ° -120.541078 °		23
24		Up	Revetments		N	Inspector Comments: No revetment at this location.	37.314050 ° -120.541078 °		24
25		Up	Encroachments		A	Inspector Comments: No encroachments present at this location.	37.314050 ° -120.541078 °		25
26		Down	Vegetation & Obstructions		M	Inspector Comments: Vegetation is present on both banks of the Black Rascal Creek. Bambo growth increased from last inspection.	37.314050 ° -120.541078 °	Y	26

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**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel				Channel Length	Inspection Start/End	Inspector
Black Rascal Creek				6.00	07/24/2013 07/30/2013	Herman Phillips

  

LIR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
27		Down	Shoaling / Sedimentation		M	Inspector Comments: Removal of non-aquatic grasses need to be removed from channel.	37.314050 ° -120.541078 °		27
28		Down	Erosion / Bank Caving		A	Inspector Comments: No erosion encroaching into the channel bank that would endanger the capacity of the channel was observed.	37.314050 ° -120.541078 °		28
29		Down	Revetments		N	Inspector Comments: No revetment at this location.	37.314050 ° -120.541078 °		29
30		Down	Encroachments		A	Inspector Comments: No encroachments present at this location.	37.314050 ° -120.541078 °		30
31	Gurr Rd	Up	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions of vegetation. The flow is not impeded.	37.313110 ° -120.559070 °	Y	31
32		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.313110 ° -120.559070 °		32
33		Up	Erosion / Bank Caving		A	Inspector Comments: No erosion upstream observed during inspection.	37.313110 ° -120.559070 °		33
34		Up	Revetments		N	Inspector Comments: No revetment at this location.	37.313110 ° -120.559070 °		34
35		Up	Encroachments		A	Inspector Comments: No encroachments observed during inspection.	37.313110 ° -120.559070 °		35
36		Down	Vegetation & Obstructions		M	Inspector Comments: Vegetation on both banks and in channel.	37.313110 ° -120.559070 °	Y	36
37		Down	Shoaling / Sedimentation		M	Inspector Comments: Non-aquatic grasses present and bambo growing in channel.	37.313110 ° -120.559070 °		37
38		Down	Erosion / Bank Caving		M	Inspector Comments: No erosion could be seen due to vegetation.	37.313110 ° -120.559070 °		38
39		Down	Revetments		N	Inspector Comments: No revetment at this location.	37.313110 ° -120.559070 °		39
40		Down	Encroachments		A	Inspector Comments: There was no encroachment observed during this inspection.	37.313110 ° -120.559070 °		40

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**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel					Channel Length	Inspection Start/End	Inspector
Black Rascal Creek					6.00	07/24/2013 07/30/2013	Herman Phillips

  

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
41	Hwy 140	Up	Vegetation & Obstructions		M	Inspector Comments: Vegetation present on both banks, flow is not impeded. 7-30-2013.	37.302400 ° -120.575460 °	Y	41
42		Up	Shoaling / Sedimentation		M	Inspector Comments: Could not verify due to vegetation.	37.302400 ° -120.575460 °		42
43		Up	Erosion / Bank Caving		M	Inspector Comments: Minor erosion at bridge should be monitored. Site not changed since last inspection.	37.302400 ° -120.575460 °		43
44		Up	Revetments		N	Inspector Comments: No revetment at this location.	37.302400 ° -120.575460 °		44
45		Up	Encroachments		A	Inspector Comments: No encroachment observed during inspection.	37.302400 ° -120.575460 °		45
46		Down	Vegetation & Obstructions		M	Inspector Comments: Vegetation in the channel along both banks. The flow is not impeded. Photo taken 7-30-2013.	37.302400 ° -120.575460 °	Y	46
47		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.302400 ° -120.575460 °		47
48		Down	Erosion / Bank Caving		M	Inspector Comments: Erosion present on the downstream left bank side of channel. Erosion has not been repaired since last inspection. The growth on the left bank makes it hard to see the erosion.	37.302400 ° -120.575460 °		48
49		Down	Revetments		N	Inspector Comments: No revetment at this location.	37.302400 ° -120.575460 °		49
50		Down	Encroachments		M	Inspector Comments: No encroachments during this inspection.	37.302400 ° -120.575460 °		50
51	Quinley Rd	Up	Vegetation & Obstructions		A	Inspector Comments: Growth on both channels; flow is not impeded.	37.293797 ° -120.596922 °	Y	51
52		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling of sedimentation present.	37.293797 ° -120.596922 °		52
53		Up	Erosion / Bank Caving		A	Inspector Comments: No erosion present at this location.	37.293797 ° -120.596922 °		53
54		Up	Revetments		N	Inspector Comments: There is no revetment at this location and is not needed.	37.293797 ° -120.596922 °		54

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**Flood Control Project Maintenance  
Channel Inspections**

**Channel Inspection Report By Check Point and View Direction - 2013**

**Merced Streams Group**

Channel				Channel Length	Inspection Start/End	Inspector
Black Rascal Creek				6.00	07/24/2013 07/30/2013	Herman Phillips

  

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
55		Up	Encroachments		A	Inspector Comments: No encroachments observed during this inspection.	37.293797 ° -120.596922 °		55
56		Down	Vegetation & Obstructions		M	Inspector Comments: Vegetation present in channel downstream from bridge crossing.	37.293797 ° -120.596922 °	Y	56
57		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoals present in channel.	37.293797 ° -120.596922 °		57
58		Down	Erosion / Bank Caving		M	Inspector Comments: Erosion can be seen on the right bank caused by the earthen dam redirecting the downstream flow as seen in the photo.	37.293797 ° -120.596922 °	Y	58
59		Down	Revetments		M	Inspector Comments: There is no engineered rip rap placed on the banks but there is scattered rock visible downstream.	37.293797 ° -120.596922 °		59
60		Down	Encroachments		U	Inspector Comments: There is an earthen dam on the downstream side of the bridge crossing that is blocking 70% of the channel.	37.293797 ° -120.596922 °	Y	60
61	Oak Ave	Up	Vegetation & Obstructions		M	Inspector Comments: Vegetation present on left bank willow trees and bambo.	37.280330 ° -120.609400 °	Y	61
62		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling at this location.	37.280330 ° -120.609400 °		62
63		Up	Erosion / Bank Caving		A	Inspector Comments: No erosion present.	37.280330 ° -120.609400 °		63
64		Up	Revetments		N	Inspector Comments: No revetment at this location.	37.280330 ° -120.609400 °		64
65		Up	Encroachments		A	Inspector Comments: No encroachments.	37.280330 ° -120.609400 °		65
66		Down	Vegetation & Obstructions		M	Inspector Comments: Wild growth present on both banks.	37.280330 ° -120.609400 °	Y	66
67		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling present.	37.280330 ° -120.609400 °		67
68		Down	Erosion / Bank Caving		M	Inspector Comments: Erosion downstream on the left bank of Black Rascal Creek off Oak Avenue road crossing.	37.280330 ° -120.609400 °		68

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**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel					Channel Length	Inspection Start/End	Inspector
Black Rascal Creek					6.00	07/24/2013 07/30/2013	Herman Phillips

  

LMR No.	Check Point	View	Item	Location *	Rating **	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
69		Down	Revetments		N	Inspector Comments: There is no riprap on either bank upstream or downstream from this crossing.	37.280330 ° -120.609400 °		69
70		Down	Encroachments		U	Inspector Comments: Firewood and other material creating a partial dam downstream of the bridge are diverting water.	37.280330 ° -120.609400 °	Y	70
71	Bear Creek Confluence	Up	Vegetation & Obstructions		M	Inspector Comments: Vegetation present on both banks; flow is partially impeded.	37.268311 ° -120.624111 °	Y	71
72		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling nor sedimentation present.	37.268311 ° -120.624111 °		72
73		Up	Erosion / Bank Caving		A	Inspector Comments: No erosion at this location noted during inspection.	37.268311 ° -120.624111 °		73
74		Up	Revetments		N	Inspector Comments: No revetment at this location.	37.268311 ° -120.624111 °		74
75		Up	Encroachments		A	Inspector Comments: No encroachments noted during the inspection.	37.268311 ° -120.624111 °		75
76		Down	Vegetation & Obstructions		A	Inspector Comments: Channel had good flow, not obstructed.	37.268311 ° -120.624111 °	Y	76
77		Down	Shoaling / Sedimentation		M	Inspector Comments: Sedimentation build up causing a partial dam across channel.	37.268311 ° -120.624111 °		77
78		Down	Erosion / Bank Caving		A	Inspector Comments: No erosion encroaching into the channel bank that would endanger the capacity of the channel was observed.	37.268311 ° -120.624111 °		78
79		Down	Revetments		N	Inspector Comments: No revetment at this location.	37.268311 ° -120.624111 °		79
80		Down	Encroachments		A	Inspector Comments: No encroachments noted during this inspection.	37.268311 ° -120.624111 °		80

**\* Location**

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CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
PO : Partially Obstructing  
CO : Completely Obstructing  
N : Not Inspected, see Inspector Comment  
C : Corrected

**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Black Rascal Creek	6.00	07/24/2013 07/30/2013	Herman Phillips

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Santa Fe Drive crossing the Black Rascal Creek looking upstream. Photo taken 7-24-2013.

phillips\_c\_20130827\_129.JPG



Levee Mile Report Line	6
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Santa Fe Drive crossing Black Rascal Creek looking downstream from bridge. Photo taken 7-24-2013.

phillips\_c\_20130827\_130.JPG



Levee Mile Report Line	11
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking upstream from Crocker Dam crossing the Black Rascal Creek. Photo taken 7-24-2013.

phillips\_c\_20130827\_131.JPG



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

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C : Corrected

**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Black Rascal Creek	6.00	07/24/2013 07/30/2013	Herman Phillips

Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking downstream from the Crocker Dam. Vegetation in channel and both banks downstream. Photo taken 7-24-2013.

phillips\_c\_20130827\_132.JPG



Levee Mile Report Line	21
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking upstream from the Franklin Rd. crossing at Black Rascal Creek. Photo taken 7-30-2013.

phillips\_c\_20130829\_133.JPG



Levee Mile Report Line	26
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking downstream from the Franklin Rd. crossing at Black Rascal Creek; right banks covered with wild growth. Photo taken 7-30-2013.

phillips\_c\_20130829\_134.JPG



**\* Location**

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**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Black Rascal Creek	6.00	07/24/2013 07/30/2013	Herman Phillips

Levee Mile Report Line	31
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Black Rascal Creek from Gurr Road crossing.  
Photo taken 7-30-2013.

phillips\_c\_20130829\_135.JPG



Levee Mile Report Line	36
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Black Rascal Creek looking downstream from the  
road crossing. Photo taken 7-30-2013.

phillips\_c\_20130829\_136.JPG



Levee Mile Report Line	41
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Black Rascal Creek from the Hwy 140 crossing  
the channel. Wild growth of bambo covering left  
bank, other wild growth present in channel right  
bank. Photo taken 7-30-2013.

phillips\_c\_20130829\_137.JPG



**\* Location**

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C : Corrected

**Flood Control Project Maintenance  
Channel Inspections**

**Channel Inspection Report By Check Point and View Direction - 2013**

**Merced Streams Group**

Channel	Channel Length	Inspection Start/End	Inspector
Black Rascal Creek	6.00	07/24/2013 07/30/2013	Herman Phillips

Levee Mile Report Line	46
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Black Rascal Creek looking downstream from Hwy 140 crossing. Right bank covered with bambo and young willow trees covering the left bank toe. Photo taken 7-30-2013.

phillips\_c\_20130829\_138.JPG



Levee Mile Report Line	51
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Black Rascal Creek from Quinley Rd crossing. Photo taken 7-30-2013.

phillips\_c\_20130829\_139.JPG



Levee Mile Report Line	56
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Black Rascal Creek looking downstream from bridge crossing. Photo taken 7-30-2013.

phillips\_c\_20130829\_140.JPG



**\* Location**

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**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Black Rascal Creek	6.00	07/24/2013 07/30/2013	Herman Phillips

Levee Mile Report Line	58
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Erosion / Bank Caving

Right bank erosion vertical cut along bank. Photo taken 7-30-2013.

phillips\_c\_20130829\_141.JPG



Levee Mile Report Line	60
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Encroachments

There is an earthen dam pushed across channel diverting flow, this dam has caused damage to the right bank. Photo taken 7-30-2013.

phillips\_c\_20130829\_142.JPG



Levee Mile Report Line	61
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Black Rascal Creek from Oak Avenue crossing the channel. Photo taken 7-30-2013.

phillips\_c\_20130829\_143.JPG



**\* Location**

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CR : Crown

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C : Corrected

**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Black Rascal Creek	6.00	07/24/2013 07/30/2013	Herman Phillips

Levee Mile Report Line	66
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Black Rascal looking downstream from the Oak Avenue crossing. Vegetation present on both banks. Photo taken 7-30-2013.

phillips\_c\_20130829\_144.JPG



Levee Mile Report Line	70
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Encroachments

Black Rascal Creek looking downstream from Oak Ave. bridge crossing. Firewood dumped in channel and other material are causing the channel to divert. No new picture taken this inspection.

phillips\_c\_20130618\_077.jpg



Levee Mile Report Line	71
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking upstream at the confluence of Black Rascal and the Bear creek. Photo taken 7-30-2013.

phillips\_c\_20130830\_146.JPG



**\* Location**

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CR : Crown

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N : Not Inspected, see Inspector Comment

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**Flood Control Project Maintenance  
Channel Inspections**

**Channel Inspection Report By Check Point and View Direction - 2013**

**Merced Streams Group**

Channel	Channel Length	Inspection Start/End	Inspector
Black Rascal Creek	6.00	07/24/2013 07/30/2013	Herman Phillips

Levee Mile Report Line	76
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking downstream from the confluence at wild weed growth on both banks. Photo taken 7-30-2013.

phillips\_c\_20130830\_147.JPG



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**Flood Control Project Maintenance****Unit Cover Sheet****2013 Channel Inspection Results****Merced Streams Group**

Channel
Burns Creek

Channel Rating	<b>A</b>
Date of Inspection	07/18/2013
DWR Inspector	Herman Phillips
Accompanied By	

**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Burns Creek	2.00	07/18/2013 07/18/2013	Herman Phillips

LMR No.	Check Point	View	Item	Location *	Rating **	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
1	Low Water Crossing	Up	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	37.349986 ° -120.305342 °	Y	11
2		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.349986 ° -120.305342 °		12
3		Up	Erosion / Bank Caving		A	Inspector Comments: No head cutting or horizontal deviation observed.	37.349986 ° -120.305342 °		13
4		Up	Revetments		N	Inspector Comments: This item does not apply to this inspection.	37.349986 ° -120.305342 °		14
5		Up	Encroachments		A	Inspector Comments: No Encroachments present during this inspection.	37.349986 ° -120.305342 °		15
6		Down	Vegetation & Obstructions		M	Inspector Comments: Minimal, scattered vegetation present. The flow is not impeded.	37.349986 ° -120.305342 °	Y	21
7		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present at this location.	37.349986 ° -120.305342 °		17
8		Down	Erosion / Bank Caving		A	Inspector Comments: No head cutting or horizontal deviation observed.	37.349986 ° -120.305342 °		18
9		Down	Revetments		N	Inspector Comments: This item does not apply to this inspection.	37.349986 ° -120.305342 °		19
10		Down	Encroachments		A	Inspector Comments: No Encroachments.	37.349986 ° -120.305342 °		20

**\* Location**

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**Flood Control Project Maintenance  
Channel Inspections**

**Channel Inspection Report By Check Point and View Direction - 2013**

**Merced Streams Group**

Channel	Channel Length	Inspection Start/End	Inspector
Burns Creek	2.00	07/18/2013 07/18/2013	Herman Phillips

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Burns Creek Low Water Crossing. Photo taken 7-18-2013.

phillips\_c\_20130822\_127.JPG



Levee Mile Report Line	6
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Vegetation & Obstructions

Low Water Crossing looking downstream minimal brush in channel.

phillips\_c\_20130830\_145.JPG



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**Flood Control Project Maintenance****Unit Cover Sheet****2013 Channel Inspection Results****Merced Streams Group**

Channel
Mariposa Creek & Duck Slough

Channel Rating	<b>M</b>
Date of Inspection	07/19/2013 - 07/23/2013
DWR Inspector	Herman Phillips
Accompanied By	

**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel					Channel Length	Inspection Start/End	Inspector
Mariposa Creek & Duck Slough					16.00	07/19/2013 07/23/2013	Herman Phillips

  

LMR No.	Check Point	View	Item	Location *	Rating **	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
1	White Rock Rd	Up	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	37.261425 ° -120.198078 °	Y	1
2		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.261425 ° -120.198078 °		2
3		Up	Erosion / Bank Caving		A	Inspector Comments: No head cutting or horizontal deviation observed.	37.261425 ° -120.198078 °		3
4		Up	Revetments		N	Inspector Comments: This item does not apply to this inspection.	37.261425 ° -120.198078 °		4
5		Up	Encroachments		A	Inspector Comments: No encroachments present during this inspection.	37.261425 ° -120.198078 °		5
6		Down	Vegetation & Obstructions		A	Inspector Comments: No problems with vegetation channel is clear and dry at this location.	37.261425 ° -120.198078 °	Y	6
7		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.261425 ° -120.198078 °		7
8		Down	Erosion / Bank Caving		A	Inspector Comments: No erosion encroaching into the channel bank that would endanger the capacity of the channel was observed.	37.261425 ° -120.198078 °		8
9		Down	Revetments		N	Inspector Comments: This item does not apply to this inspection.	37.261425 ° -120.198078 °		9
10		Down	Encroachments		A	Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the easement.	37.261425 ° -120.198078 °		10
11	Fresno Rd	Up	Vegetation & Obstructions		U	Inspector Comments: Log jams, snags, vegetation growth (such as cat tails, bull rushes, bushes or saplings) or other obstructions block approximately 50% of the capacity.	37.238030 ° -120.243520 °	Y	11
12		Up	Shoaling / Sedimentation		M	Inspector Comments: Non-aquatic grasses present on shoal along with trees and brush.	37.238030 ° -120.243520 °		12
13		Up	Erosion / Bank Caving		A	Inspector Comments: No erosion.	37.238030 ° -120.243520 °		13

**\* Location**

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**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel					Channel Length	Inspection Start/End	Inspector
Mariposa Creek & Duck Slough					16.00	07/19/2013 07/23/2013	Herman Phillips

  

LMR No.	Check Point	View	Item	Location *	Rating **	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
14		Up	Revetments		N	Inspector Comments: There is no revetment at this location and is not needed.	37.238030 ° -120.243520 °		14
15		Up	Encroachments		A	Inspector Comments: No encroachments.	37.238030 ° -120.243520 °		15
16		Down	Vegetation & Obstructions		M	Inspector Comments: Log jams, snags, vegetation growth (such as cat tails, bull rushes, bushes or saplings) or other obstructions block approximately 25% of the capacity.	37.238030 ° -120.243520 °	Y	16
17		Down	Shoaling / Sedimentation		M	Inspector Comments: Non-aquatic grasses present on shoal. No trees or brush is present on shoal, and channel flow is not impeded.	37.238030 ° -120.243520 °		17
18		Down	Erosion / Bank Caving		A	Inspector Comments: No erosion encroaching into the channel bank that would endanger the capacity of the channel was observed.	37.238030 ° -120.243520 °		18
19		Down	Revetments		N	Inspector Comments: There is no revetment at this location and is not needed.	37.238030 ° -120.243520 °		19
20		Down	Encroachments		M	Inspector Comments: There is overgrowth in channel also firewood piled up downstream from bridge crossing.	37.238030 ° -120.243520 °	Y	20
21	Cunningham Rd	Up	Vegetation & Obstructions		M	Inspector Comments: Vegetation present in channel.	37.238920 ° -120.252550 °	Y	21
22		Up	Shoaling / Sedimentation		M	Inspector Comments: Non-aquatic grasses present on shoal. No trees or brush is present on shoal, and channel flow is not impeded.	37.238920 ° -120.252550 °		22
23		Up	Erosion / Bank Caving		A	Inspector Comments: No erosion encroaching into the channel bank that would endanger the capacity of the channel was observed.	37.238920 ° -120.252550 °		23
24		Up	Revetments		N	Inspector Comments: There is no revetment at this location and is not needed.	37.238920 ° -120.252550 °		24
25		Up	Encroachments		A	Inspector Comments: No encroachments.	37.238920 ° -120.252550 °		25
26		Down	Vegetation & Obstructions		A	Inspector Comments: No vegetation.	37.238920 ° -120.252550 °	Y	26

**\* Location**

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**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel					Channel Length	Inspection Start/End	Inspector
Mariposa Creek & Duck Slough					16.00	07/19/2013 07/23/2013	Herman Phillips

  

LMR No.	Check Point	View	Item	Location *	Rating **	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
27		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.238920 ° -120.252550 °		27
28		Down	Erosion / Bank Caving		A	Inspector Comments: No erosion encroaching into the channel bank that would endanger the capacity of the channel was observed.	37.238920 ° -120.252550 °		28
29		Down	Revetments		N	Inspector Comments: There is no revetment at this location and is not needed.	37.238920 ° -120.252550 °		29
30		Down	Encroachments		A	Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the easement. Encroachments which do not diminish proper functioning of the project have been previously approved by the Central Valley Flood Protection Board.	37.238920 ° -120.252550 °		30
31	RR Bridge near Santa Fe Dr	Up	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	37.239220 ° -120.259020 °	Y	31
32		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.239220 ° -120.259020 °		32
33		Up	Erosion / Bank Caving		A	Inspector Comments: No erosion encroaching into the channel bank that would endanger the capacity of the channel was observed.	37.239220 ° -120.259020 °		33
34		Up	Revetments		N	Inspector Comments: There is no revetment at this location and is not needed.	37.239220 ° -120.259020 °		34
35		Up	Encroachments		A	Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the easement.	37.239220 ° -120.259020 °		35
36		Down	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	37.239220 ° -120.259020 °	Y	36
37		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.239220 ° -120.259020 °		37
38		Down	Erosion / Bank Caving		A	Inspector Comments: No erosion encroaching into the channel bank that would endanger the capacity of the channel was observed.	37.239220 ° -120.259020 °		38

**\* Location**

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**Flood Control Project Maintenance  
Channel Inspections**

**Channel Inspection Report By Check Point and View Direction - 2013**

**Merced Streams Group**

Channel					Channel Length	Inspection Start/End	Inspector
Mariposa Creek & Duck Slough					16.00	07/19/2013 07/23/2013	Herman Phillips

  

LMR No.	Check Point	View	Item	Location *	Rating **	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
39		Down	Revetments		N	Inspector Comments: There is no revetment at this location and is not needed.	37.239220 ° -120.259020 °		39
40		Down	Encroachments		A	Inspector Comments: No encroachments.	37.239220 ° -120.259020 °		40
41	Burchell Rd	Up	Vegetation & Obstructions		M	Inspector Comments: Minimal, scattered obstructions of vegetation present. The flow is not impeded.	37.257610 ° -120.288730 °	Y	41
42		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.257610 ° -120.288730 °		42
43		Up	Erosion / Bank Caving		A	Inspector Comments: No erosion encroaching into the channel bank that would endanger the capacity of the channel was observed.	37.257610 ° -120.288730 °		43
44		Up	Revetments		N	Inspector Comments: There is no revetment at this location and is not needed.	37.257610 ° -120.288730 °		44
45		Up	Encroachments		A	Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the easement. Encroachments which do not diminish proper functioning of the project have been previously approved by the Central Valley Flood Protection Board.	37.257610 ° -120.288730 °		45
46		Down	Vegetation & Obstructions		A	Inspector Comments: No vegetation problems The flow is not impeded.	37.257610 ° -120.288730 °	Y	46
47		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.257610 ° -120.288730 °		47
48		Down	Erosion / Bank Caving		M	Inspector Comments: Erosion on the left bank downstream from the Bruchell Rd. bridge crossing.	37.257610 ° -120.288730 °	Y	48
49		Down	Revetments		N	Inspector Comments: There is no revetment at this location and is not needed.	37.257610 ° -120.288730 °		49
50		Down	Encroachments		A	Inspector Comments: During low flow there is a concrete pathway across the channel appears to be in line with the pipe.	37.257610 ° -120.288730 °		50

**\* Location**

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**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel					Channel Length	Inspection Start/End	Inspector
Mariposa Creek & Duck Slough					16.00	07/19/2013 07/23/2013	Herman Phillips

  

LMR No.	Check Point	View	Item	Location *	Rating **	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
51	Plainsburg Rd	Up	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	37.258340 ° -120.324970 °	Y	51
52		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.258340 ° -120.324970 °		52
53		Up	Erosion / Bank Caving		A	Inspector Comments: No head cutting or horizontal deviation observed.	37.258340 ° -120.324970 °		53
54		Up	Revetments		N	Inspector Comments: There is no revetment at this location and is not needed.	37.258340 ° -120.324970 °		54
55		Up	Encroachments		A	Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the easement. Encroachments which do not diminish proper functioning of the project have been previously approved by the Central Valley Flood Protection Board.	37.258340 ° -120.324970 °		55
56		Down	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	37.258340 ° -120.324970 °	Y	56
57		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.258340 ° -120.324970 °		57
58		Down	Erosion / Bank Caving		A	Inspector Comments: No erosion encroaching into the channel bank that would endanger the capacity of the channel was observed.	37.258340 ° -120.324970 °		58
59		Down	Revetments		N	Inspector Comments: There is no revetment at this location and is not needed.	37.258340 ° -120.324970 °		59
60		Down	Encroachments		A	Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the easement. Encroachments which do not diminish proper functioning of the project have been previously approved by the Central Valley Flood Protection Board.	37.258340 ° -120.324970 °		60
61	Whealan Rd	Up	Vegetation & Obstructions		M	Inspector Comments: Log jams, snags, vegetation growth (such as cat tails, bull rushes, bushes or saplings) or other obstructions block approximately 25% of the FCW.	37.261540 ° -120.343200 °	Y	61
62		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.261540 ° -120.343200 °		62

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
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PO : Partially Obstructing  
CO : Completely Obstructing  
N : Not Inspected, see Inspector Comment  
C : Corrected

**Flood Control Project Maintenance  
Channel Inspections**

**Channel Inspection Report By Check Point and View Direction - 2013**

**Merced Streams Group**

Channel					Channel Length	Inspection Start/End	Inspector
Mariposa Creek & Duck Slough					16.00	07/19/2013 07/23/2013	Herman Phillips

  

LMR No.	Check Point	View	Item	Location *	Rating **	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
63		Up	Erosion / Bank Caving		A	Inspector Comments: No erosion encroaching into the channel bank that would endanger the capacity of the channel was observed.	37.261540 ° -120.343200 °		63
64		Up	Revetments		N	Inspector Comments: There is no revetment at this location.	37.261540 ° -120.343200 °		64
65		Up	Encroachments		A	Inspector Comments: No encroachments present.	37.261540 ° -120.343200 °		65
66		Down	Vegetation & Obstructions		M	Inspector Comments: Log jams, snags, vegetation growth (such as cat tails, bull rushes, bushes or saplings) or other obstructions block approximately 25% of the FCW.	37.261540 ° -120.343200 °	Y	66
67		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.261540 ° -120.343200 °		67
68		Down	Erosion / Bank Caving		A	Inspector Comments: No erosion encroaching into the channel bank that would endanger the capacity of the channel was observed.	37.261540 ° -120.343200 °		68
69		Down	Revetments		N	Inspector Comments: There is no revetment at this location and is not needed.	37.261540 ° -120.343200 °		69
70		Down	Encroachments		A	Inspector Comments: No encroachments observed during inspection.	37.261540 ° -120.343200 °		70
71	Arboleda Rd	Up	Vegetation & Obstructions		M	Inspector Comments: Vegetation collection up on the left bank of channel, flow is not impeded.	37.257036 ° -120.379219 °	Y	71
72		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.257036 ° -120.379219 °		72
73		Up	Erosion / Bank Caving		A	Inspector Comments: No erosion encroaching into the channel bank that would endanger the capacity of the channel was observed.	37.257036 ° -120.379219 °		73
74		Up	Revetments		N	Inspector Comments: No revetment at this site.	37.257036 ° -120.379219 °		74
75		Up	Encroachments		A	Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the easement.	37.257036 ° -120.379219 °		75

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**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel					Channel Length	Inspection Start/End	Inspector
Mariposa Creek & Duck Slough					16.00	07/19/2013 07/23/2013	Herman Phillips

  

LMR No.	Check Point	View	Item	Location *	Rating **	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
76		Down	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	37.257036 ° -120.379219 °	Y	76
77		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.257036 ° -120.379219 °		77
78		Down	Erosion / Bank Caving		U	Inspector Comments: Erosion encroaching into the channel bank more than 1 foot into the designed grade or cross section was observed. Corrective actions required to stop or slow erosion.	37.257036 ° -120.379219 °	Y	78
79		Down	Revetments		M	Inspector Comments: There is no revetment at this site.	37.257036 ° -120.379219 °		79
80		Down	Encroachments		A	Inspector Comments: No Trash, debris, excavation, structures, or other obstructions present within the project easement area.	37.257036 ° -120.379219 °		80
81	Healy Rd	Up	Vegetation & Obstructions		M	Inspector Comments: Vegetation present on both banks and in channel.	37.246180 ° -120.434130 °	Y	81
82		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.246180 ° -120.434130 °		82
83		Up	Erosion / Bank Caving		M	Inspector Comments: You can't see the banks at this location to see if any erosion is present or not. Visibility is prohibited by wild growth.	37.246180 ° -120.434130 °		83
84		Up	Revetments		N	Inspector Comments: There is no revetment at this location and is not needed.	37.246180 ° -120.434130 °		84
85		Up	Encroachments		A	Inspector Comments: No encroachments observed during inspection.	37.246180 ° -120.434130 °		85
86		Down	Vegetation & Obstructions		M	Inspector Comments: Log jams, snags, vegetation growth (such as cat tails, bull rushes, bushes or saplings) or other obstructions block approximately 25% of the capacity.	37.246180 ° -120.434130 °	Y	86
87		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.246180 ° -120.434130 °		87

**\* Location**

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**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel					Channel Length	Inspection Start/End	Inspector
Mariposa Creek & Duck Slough					16.00	07/19/2013 07/23/2013	Herman Phillips

  

LMR No.	Check Point	View	Item	Location *	Rating **	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
88		Down	Erosion / Bank Caving		A	Inspector Comments: No erosion encroaching into the channel bank that would endanger the capacity of the channel was observed.	37.246180 ° -120.434130 °		88
89		Down	Revetments		N	Inspector Comments: There is no revetment at this location and is not needed.	37.246180 ° -120.434130 °		89
90		Down	Encroachments		A	Inspector Comments: No Trash, debris, excavation, structures, or other obstructions present within the project easement area.	37.246180 ° -120.434130 °		90
91	Hwy 59	Up	Vegetation & Obstructions		M	Inspector Comments: Log jams, snags, vegetation growth (such as cat tails, bull rushes, bushes or saplings) or other obstructions block approximately 25% of the capacity.	37.233961 ° -120.487872 °	Y	91
92		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.233961 ° -120.487872 °		92
93		Up	Erosion / Bank Caving		A	Inspector Comments: No head cutting or horizontal deviation observed.	37.233961 ° -120.487872 °		93
94		Up	Revetments		N	Inspector Comments: There is no revetment at this location and is not needed.	37.233961 ° -120.487872 °		94
95		Up	Encroachments		A	Inspector Comments: No encroachments at this location.	37.233961 ° -120.487872 °		95
96		Down	Vegetation & Obstructions		U	Inspector Comments: Log jams, snags, vegetation growth (such as cat tails, bull rushes, bushes or saplings) or other obstructions block approximately 50% of the capacity.	37.233961 ° -120.487872 °	Y	96
97		Down	Shoaling / Sedimentation		M	Inspector Comments: Non-aquatic grasses present on shoal, trees and other brush present, this could cause problem with flow downstream.	37.233961 ° -120.487872 °		97
98		Down	Erosion / Bank Caving		M	Inspector Comments: Unable to note erosion due to overgrowth.	37.233961 ° -120.487872 °		98
99		Down	Revetments		N	Inspector Comments: There is no revetment at this location and is not needed.	37.233961 ° -120.487872 °		99

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**Flood Control Project Maintenance  
Channel Inspections**

**Channel Inspection Report By Check Point and View Direction - 2013**

**Merced Streams Group**

Channel					Channel Length	Inspection Start/End	Inspector
Mariposa Creek & Duck Slough					16.00	07/19/2013 07/23/2013	Herman Phillips

  

LMR No.	Check Point	View	Item	Location *	Rating **	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
100			Down Encroachments		A	Inspector Comments: No encroachments at this location.	37.233961 ° -120.487872 °		100

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**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Mariposa Creek & Duck Slough	16.00	07/19/2013 07/23/2013	Herman Phillips

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Mariposa Creek looking upstream from White Rock Road. Photo taken 7-19-2013.

phillips\_c\_20130903\_187.JPG



Levee Mile Report Line	6
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Mariposa Creek looking downstream from White Rock Road. Photo taken 7-19-2013.

phillips\_c\_20130903\_188.JPG



Levee Mile Report Line	11
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Mariposa Creek looking upstream from Fresno Rd. Channel overgrown. Photo taken 7-19-2013.

phillips\_c\_20130903\_189.JPG



**\* Location**

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N : Not Inspected, see Inspector Comment

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**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Mariposa Creek & Duck Slough	16.00	07/19/2013 07/23/2013	Herman Phillips

Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Mariposa Creek looking downstream from Fresno bridge crossing. Photo taken 7-19-2013.

phillips\_c\_20130904\_190.JPG



Levee Mile Report Line	20
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Encroachments

Wild growth in channel along with firewood piled up in channel downstream from bridge crossing.

phillips\_c\_20130904\_192.JPG



Levee Mile Report Line	21
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Mariposa Creek looking upstream from Cunningham Rd. Photo taken 7-23-2013.

phillips\_c\_20130904\_193.JPG



**\* Location**

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**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Mariposa Creek & Duck Slough	16.00	07/19/2013 07/23/2013	Herman Phillips

Levee Mile Report Line	26
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Mariposa Creek looking downstream from Cunningham bridge crossing. Photo taken 7-23-2013.

phillips\_c\_20130904\_194.JPG



Levee Mile Report Line	31
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Mariposa Creek looking upstream from Santa Fe Drive crossing. Photo taken 7-23-2013.

phillips\_c\_20130904\_195.JPG



Levee Mile Report Line	36
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Mariposa Creek looking downstream from Santa Fe bridge crossing. Photo taken 7-23-2013.

phillips\_c\_20130904\_196.JPG



**\* Location**

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WS : Water Side  
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N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Mariposa Creek & Duck Slough	16.00	07/19/2013 07/23/2013	Herman Phillips

Levee Mile Report Line	41
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Mariposa Creek looking upstream from the Burchell Rd crossing. Photo taken 7-23-2013.

phillips\_c\_20130904\_197.JPG



Levee Mile Report Line	46
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Mariposa Creek looking downstream from Burchell Rd. Photo taken 7-23-2013.

phillips\_c\_20130904\_198.JPG



Levee Mile Report Line	48
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Erosion / Bank Caving

Mariposa Creek left bank erosion. Photo taken 7-23-2013.

phillips\_c\_20130904\_199.JPG



**\* Location**

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**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Mariposa Creek & Duck Slough	16.00	07/19/2013 07/23/2013	Herman Phillips

Levee Mile Report Line	51
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Mariposa Creek looking upstream from Plainsburg Rd. crossing. Photo taken 7-23-2013.

phillips\_c\_20130905\_200.JPG



Levee Mile Report Line	56
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Mariposa Creek looking downstream from Plainsburg Rd. crossing. Photo taken 7-23-2013.

phillips\_c\_20130905\_201.JPG



Levee Mile Report Line	61
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Mariposa Creek looking upstream from Whealan Rd. crossing. Photo taken 7-23-2013.

phillips\_c\_20130905\_202.JPG



**\* Location**

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CR : Crown

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CO : Completely Obstructing  
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Mariposa Creek & Duck Slough	16.00	07/19/2013 07/23/2013	Herman Phillips

Levee Mile Report Line	66
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Mariposa Creek looking downstream from Whealan Rd. crossing. Photo taken 7-23-2013.

phillips\_c\_20130905\_203.JPG



Levee Mile Report Line	71
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Mariposa Creek looking upstream from Arboleda Rd. crossing. Photo taken 7-23-2013.

phillips\_c\_20130905\_204.JPG



Levee Mile Report Line	76
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Mariposa Creek looking downstream from Arboleda Rd. crossing. Photo taken 7-23-2013.

phillips\_c\_20130905\_205.JPG



**\* Location**

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WS : Water Side  
CR : Crown

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CO : Completely Obstructing  
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Mariposa Creek & Duck Slough	16.00	07/19/2013 07/23/2013	Herman Phillips

Levee Mile Report Line	78
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Erosion / Bank Caving

Mariposa Creek erosion on the left bank. This erosion was noted on previous channel inspections. This photo was taken 7-26-2012. No updated picture taken 7-23-2013.

phillips\_c\_20130618\_099.jpg



Levee Mile Report Line	81
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Mariposa Creek looking upstream from Healy Rd. crossing. Photo taken 7-23-2013.

phillips\_c\_20130905\_206.JPG



Levee Mile Report Line	86
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Mariposa Creek looking downstream from Healy Rd. crossing. Photo taken 7-23-2013.

phillips\_c\_20130905\_207.JPG



**\* Location**

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WS : Water Side  
CR : Crown

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U : Unacceptable

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CO : Completely Obstructing  
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Mariposa Creek & Duck Slough	16.00	07/19/2013 07/23/2013	Herman Phillips

Levee Mile Report Line	91
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Mariposa Creek looking upstream from Hwy 59.  
Photo taken 7-23-2013.

phillips\_c\_20130905\_208.JPG



Levee Mile Report Line	96
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Mariposa Creek looking downstream from Hwy 59. Photo taken 7-23-2013.

phillips\_c\_20130905\_209.JPG



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CR : Crown

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C : Corrected

**Flood Control Project Maintenance****Unit Cover Sheet**  
**2013 Channel Inspection Results****Merced Streams Group**

Channel
Miles Creek

Channel Rating	<b>A</b>
Date of Inspection	08/01/2013 - 08/02/2013
DWR Inspector	Maksim Khashchuk
Accompanied By	

**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel					Channel Length	Inspection Start/End	Inspector
Miles Creek					12.00	08/01/2013 08/02/2013	Maksim Khashchuk

  

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
1	Childs Ave	Up	Vegetation & Obstructions		A	Inspector Comments: Some vegetation, but does not appear to be enough to impede flow.	37.287900 ° -120.309480 °	Y	1
2		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.287900 ° -120.309480 °		2
3		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.287900 ° -120.309480 °		3
4		Up	Revetments		N	Inspector Comments: No revetments present at this location.	37.287900 ° -120.309480 °		4
5		Up	Encroachments		A	Inspector Comments: No trash, debris or other encroachments present at this location.	37.287900 ° -120.309480 °		5
6		Down	Vegetation & Obstructions		A	Inspector Comments: Some vegetation present, but does not appear to be enough to impede flow.	37.287900 ° -120.309480 °	Y	6
7		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.287900 ° -120.309480 °		7
8		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.287900 ° -120.309480 °		8
9		Down	Revetments		N	Inspector Comments: No revetments present at this location.	37.287900 ° -120.309480 °		9
10		Down	Encroachments		A	Inspector Comments: No trash, debris or other encroachments present at this location.	37.287900 ° -120.309480 °		10
11	Santa Fe Dr	Up	Vegetation & Obstructions		A	Inspector Comments: Minor vegetation, but does not appear to be sufficient to impede flows.	37.284356 ° -120.315478 °	Y	11
12		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.284356 ° -120.315478 °		12
13		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.284356 ° -120.315478 °		13
14		Up	Revetments		N	Inspector Comments: No revetments present at this location.	37.284356 ° -120.315478 °		14

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**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel					Channel Length	Inspection Start/End	Inspector
Miles Creek					12.00	08/01/2013 08/02/2013	Maksim Khashchuk

  

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
15		Up	Encroachments		A	Inspector Comments: No trash, debris or other encroachments present at this location.	37.284356 ° -120.315478 °		15
16		Down	Vegetation & Obstructions		M	Inspector Comments: Channel is beginning to be overgrown, some of the vegetation appears to be woody vegetation and should be removed.	37.284356 ° -120.315478 °	Y	16
17		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.284356 ° -120.315478 °		17
18		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.284356 ° -120.315478 °		18
19		Down	Revetments		N	Inspector Comments: No revetments present at this location.	37.284356 ° -120.315478 °		19
20		Down	Encroachments		A	Inspector Comments: No trash, debris or other encroachments present at this location.	37.284356 ° -120.315478 °		20
21	Plainsburg Rd	Up	Vegetation & Obstructions		A	Inspector Comments: Minor vegetation, but does not appear as though it will impede flow.	37.282060 ° -120.324870 °	Y	21
22		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.282060 ° -120.324870 °		22
23		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.282060 ° -120.324870 °		23
24		Up	Revetments		N	Inspector Comments: No revetments at this location.	37.282060 ° -120.324870 °		24
25		Up	Encroachments		A	Inspector Comments: No trash, debris or other encroachments present at this location.	37.282060 ° -120.324870 °		25
26		Down	Vegetation & Obstructions		M	Inspector Comments: Trees are beginning to grow in channel, appears to be a willow and black walnut, please remove.	37.282060 ° -120.324870 °	Y	26
27		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.282060 ° -120.324870 °		27
28		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving at this location.	37.282060 ° -120.324870 °		28

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**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel					Channel Length	Inspection Start/End	Inspector
Miles Creek					12.00	08/01/2013 08/02/2013	Maksim Khashchuk

  

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
29		Down	Revetments		N	Inspector Comments: No revetments present at this location.	37.282060 ° -120.324870 °		29
30		Down	Encroachments		A	Inspector Comments: No trash, debris or other encroachments present at this location.	37.282060 ° -120.324870 °		30
31	Gerard Ave	Up	Vegetation & Obstructions		A	Inspector Comments: Minor vegetation, but does not appear to be enough to impede flow.	37.280720 ° -120.331200 °	Y	31
32		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.280720 ° -120.331200 °		32
33		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving at this location.	37.280720 ° -120.331200 °		33
34		Up	Revetments		N	Inspector Comments: No revetments present at this location.	37.280720 ° -120.331200 °		34
35		Up	Encroachments		A	Inspector Comments: No trash, debris or other encroachments present at this location.	37.280720 ° -120.331200 °		35
36		Down	Vegetation & Obstructions		A	Inspector Comments: Minimal vegetation does not appear to be enough to impede flow.	37.280720 ° -120.331200 °	Y	36
37		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.280720 ° -120.331200 °		37
38		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving at this location.	37.280720 ° -120.331200 °		38
39		Down	Revetments		N	Inspector Comments: No revetments present at this location.	37.280720 ° -120.331200 °		39
40		Down	Encroachments		A	Inspector Comments: No trash, debris or other encroachments present at this location.	37.280720 ° -120.331200 °		40
41	Whealan Rd	Up	Vegetation & Obstructions		A	Inspector Comments: Minimally obstructive vegetation present, but does not appear that it will impede flow.	37.278630 ° -120.343030 °	Y	41
42		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.278630 ° -120.343030 °		42

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### Merced Streams Group

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LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
43		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving at this location.	37.278630 ° -120.343030 °		43
44		Up	Revetments		A	Inspector Comments: Revetment is located under the bridge on both sides of the creek. It appears to be free of debris.	37.278630 ° -120.343030 °		44
45		Up	Encroachments		A	Inspector Comments: No trash, debris or other encroachments present at this location.	37.278630 ° -120.343030 °		45
46		Down	Vegetation & Obstructions		A	Inspector Comments: Very minor vegetation, does not appear as though it would impede flow.	37.278630 ° -120.343030 °	Y	46
47		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.278630 ° -120.343030 °		47
48		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving at this location.	37.278630 ° -120.343030 °		48
49		Down	Revetments		A	Inspector Comments: Revetment is under the bridge on both sides of the creek. It is free of debris and appears that it will not impede flows.	37.278630 ° -120.343030 °		49
50		Down	Encroachments		A	Inspector Comments: No trash, debris or other encroachments present at this location.	37.278630 ° -120.343030 °		50
51	Arboleda Dr	Up	Vegetation & Obstructions		A	Inspector Comments: Minor vegetation present, but does not appear to impede flow.	37.272980 ° -120.379090 °	Y	51
52		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.272980 ° -120.379090 °		52
53		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving at this location.	37.272980 ° -120.379090 °		53
54		Up	Revetments		N	Inspector Comments: No revetments present at this location.	37.272980 ° -120.379090 °		54
55		Up	Encroachments		A	Inspector Comments: No trash, debris or other encroachments present at this location.	37.272980 ° -120.379090 °		55

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**Flood Control Project Maintenance  
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## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Miles Creek	12.00	08/01/2013 08/02/2013	Maksim Khashchuk

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
56		Down	Vegetation & Obstructions		M	Inspector Comments: Minor vegetation under the bridge, may be enough to impede flow. Please remove.	37.272980 ° -120.379090 °	Y	56
57		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.272980 ° -120.379090 °		57
58		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving at this location.	37.272980 ° -120.379090 °		58
59		Down	Revetments		N	Inspector Comments: No revetments present at this location.	37.272980 ° -120.379090 °		59
60		Down	Encroachments		A	Inspector Comments: No trash, debris or other encroachments present at this location.	37.272980 ° -120.379090 °		60
61	Orchard Rd	Up	Vegetation & Obstructions		A	Inspector Comments: Minor vegetation, but does not appear to be enough to impede flow.	37.269380 ° -120.397470 °	Y	61
62		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.269380 ° -120.397470 °		62
63		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving at this location.	37.269380 ° -120.397470 °		63
64		Up	Revetments		N	Inspector Comments: No revetments present at this location.	37.269380 ° -120.397470 °		64
65		Up	Encroachments		A	Inspector Comments: No trash, debris or other encroachments present at this location.	37.269380 ° -120.397470 °		65
66		Down	Vegetation & Obstructions		M	Inspector Comments: Minor vegetation, may be enough to impede flow.	37.269380 ° -120.397470 °	Y	66
67		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.269380 ° -120.397470 °		67
68		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving at this location.	37.269380 ° -120.397470 °		68
69		Down	Revetments		N	Inspector Comments: No revetments present at this location.	37.269380 ° -120.397470 °		69

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**Flood Control Project Maintenance  
Channel Inspections**

**Channel Inspection Report By Check Point and View Direction - 2013**

**Merced Streams Group**

Channel					Channel Length	Inspection Start/End	Inspector
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LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
70		Down	Encroachments		A	Inspector Comments: No trash, debris or other encroachments present at this location.	37.269380 ° -120.397470 °		70
71	Miles Rd	Up	Vegetation & Obstructions		M	Inspector Comments: Some woody vegetation on the left bank may impede flow. Recommend clearing at least 100 feet upstream.	37.267185 ° -120.415332 °	Y	111
72		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.267185 ° -120.415332 °		112
73		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving at this location.	37.267185 ° -120.415332 °		113
74		Up	Revetments		N	Inspector Comments: No revetments present at this location.	37.267185 ° -120.415332 °		114
75		Up	Encroachments		A	Inspector Comments: No trash, debris or other encroachments present at this location.	37.267185 ° -120.415332 °		115
76		Down	Vegetation & Obstructions		A	Inspector Comments: Some woody vegetation on the left bank may impede flow. Recommend clearing at least 100 feet upstream.	37.267185 ° -120.415332 °	Y	116
77		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.267185 ° -120.415332 °		117
78		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving at this location.	37.267185 ° -120.415332 °		118
79		Down	Revetments		N	Inspector Comments: No revetments present at this location.	37.267185 ° -120.415332 °		119
80		Down	Encroachments		A	Inspector Comments: No trash, debris or other encroachments present at this location.	37.267185 ° -120.415332 °		120
81	Coffee St	Up	Vegetation & Obstructions		A	Inspector Comments: Some woody vegetatoin present on the left bank which may impeded flow in the future. Recommend removing woody vegetation from the channel.	37.265070 ° -120.427491 °	Y	121
82		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.265070 ° -120.427491 °		122

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**Flood Control Project Maintenance  
Channel Inspections**

**Channel Inspection Report By Check Point and View Direction - 2013**

**Merced Streams Group**

Channel					Channel Length	Inspection Start/End	Inspector
Miles Creek					12.00	08/01/2013 08/02/2013	Maksim Khashchuk

  

LMR No.	Check Point	View	Item	Location *	Rating **	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
83		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving at this location.	37.265070 ° -120.427491 °		123
84		Up	Revetments		N	Inspector Comments: No revetments present at this location.	37.265070 ° -120.427491 °		124
85		Up	Encroachments		A	Inspector Comments: No trash, debris or other encroachments present at this location.	37.265070 ° -120.427491 °		125
86		Down	Vegetation & Obstructions		A	Inspector Comments: Some woody vegetatoin present on the left bank which may impede flow in the future. Recommend removing woody vegetation from the channel.	37.265070 ° -120.427491 °	Y	126
87		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.265070 ° -120.427491 °		127
88		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving at this location.	37.265070 ° -120.427491 °		128
89		Down	Revetments		N	Inspector Comments: No revetments present at this location.	37.265070 ° -120.427491 °		129
90		Down	Encroachments		A	Inspector Comments: No trash, debris or other encroachments present at this location.	37.265070 ° -120.427491 °		130
91	Healy Rd	Up	Vegetation & Obstructions		M	Inspector Comments: Some woody vegetation in the channel may impede flow. Recommend clearing at least 100 feet upstream.	37.263590 ° -120.434500 °	Y	71
92		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.263590 ° -120.434500 °		72
93		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving at this location.	37.263590 ° -120.434500 °		73
94		Up	Revetments		N	Inspector Comments: No revetments present at this location.	37.263590 ° -120.434500 °		74
95		Up	Encroachments		A	Inspector Comments: No trash, debris or other encroachments present at this location.	37.263590 ° -120.434500 °		75

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**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel				Channel Length	Inspection Start/End	Inspector
Miles Creek				12.00	08/01/2013 08/02/2013	Maksim Khashchuk

  

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
96		Down	Vegetation & Obstructions		A	Inspector Comments: Some woody vegetation in the channel may impede flow. Recommend clearing at least 100 feet downstream.	37.263590 ° -120.434500 °	Y	76
97		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.263590 ° -120.434500 °		77
98		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving at this location.	37.263590 ° -120.434500 °		78
99		Down	Revetments		N	Inspector Comments: No revetments present at this location.	37.263590 ° -120.434500 °		79
100		Down	Encroachments		A	Inspector Comments: No trash, debris or other encroachments present at this location.	37.263590 ° -120.434500 °		80
101	Tyler Rd	Up	Vegetation & Obstructions		A	Inspector Comments: Minor vegetation, but does not appear to be enough to impede flow.	37.263560 ° -120.469660 °	Y	81
102		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.263560 ° -120.469660 °		82
103		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving at this location.	37.263560 ° -120.469660 °		83
104		Up	Revetments		N	Inspector Comments: No revetments present at this location.	37.263560 ° -120.469660 °		84
105		Up	Encroachments		A	Inspector Comments: No trash, debris or other encroachments present at this location.	37.263560 ° -120.469660 °		85
106		Down	Vegetation & Obstructions		A	Inspector Comments: Minor vegetation, but does not appear to be enough to impede flow.	37.263560 ° -120.469660 °	Y	86
107		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.263560 ° -120.469660 °		87
108		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving at this location.	37.263560 ° -120.469660 °		88

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Channel Inspections**

**Channel Inspection Report By Check Point and View Direction - 2013**

**Merced Streams Group**

Channel					Channel Length	Inspection Start/End	Inspector
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LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
109		Down	Revetments		N	Inspector Comments: No revetments present at this location.	37.263560 ° -120.469660 °		89
110		Down	Encroachments		A	Inspector Comments: Wire fence encroaching channel by 11 feet on both sides. It may accumulate debris and restrict flow. Recommend removal of the lower part of the fence just below the bridge superstructure.	37.263560 ° -120.469660 °	Y	90
111	Reilly Rd	Up	Vegetation & Obstructions		A	Inspector Comments: Minor vegetation, but does not appear to be enough to impede flow.	37.257780 ° -120.475090 °	Y	91
112		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.257780 ° -120.475090 °		92
113		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving at this location.	37.257780 ° -120.475090 °		93
114		Up	Revetments		N	Inspector Comments: No revetments present at this location.	37.257780 ° -120.475090 °		94
115		Up	Encroachments		A	Inspector Comments: No trash, debris or other encroachments present at this location.	37.257780 ° -120.475090 °		95
116		Down	Vegetation & Obstructions		A	Inspector Comments: Minor vegetation, but does not appear to be enough to impede flow.	37.257780 ° -120.475090 °	Y	96
117		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.257780 ° -120.475090 °		97
118		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving at this location.	37.257780 ° -120.475090 °		98
119		Down	Revetments		A	Inspector Comments: No revetments present at this location.	37.257780 ° -120.475090 °		99
120		Down	Encroachments		A	Inspector Comments: No trash, debris or other encroachments present at this location.	37.257780 ° -120.475090 °		100
121	Hwy 59	Up	Vegetation & Obstructions		M	Inspector Comments: Minor vegetation, but does not appear to be enough to impede flow.	37.255920 ° -120.487940 °	Y	101

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## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel					Channel Length	Inspection Start/End	Inspector
Miles Creek					12.00	08/01/2013 08/02/2013	Maksim Khashchuk

  

LMR No.	Check Point	View	Item	Location *	Rating **	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
122		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.255920 ° -120.487940 °		102
123		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving at this location.	37.255920 ° -120.487940 °		103
124		Up	Revetments		N	Inspector Comments: No revetments present at this location.	37.255920 ° -120.487940 °		104
125		Up	Encroachments		A	Inspector Comments: No trash, debris or other encroachments present at this location.	37.255920 ° -120.487940 °		105
126		Down	Vegetation & Obstructions		M	Inspector Comments: It appears that the Black walnut tree has been removed at the bridge. However there is more woody vegetation growing downstream in the channel, this can impede flow, please remove.	37.255920 ° -120.487940 °	Y	106
127		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.255920 ° -120.487940 °		107
128		Down	Erosion / Bank Caving		M	Inspector Comments: Erosion on the left bank due to overgrown woody vegetation on the right bank. Recommended to monitor the erosion and remove the woody vegetation.	37.255920 ° -120.487940 °		108
129		Down	Revetments		N	Inspector Comments: No revetments present at this location.	37.255920 ° -120.487940 °		109
130		Down	Encroachments		A	Inspector Comments: No trash, debris or other encroachments present at this location.	37.255920 ° -120.487940 °		110

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### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Miles Creek	12.00	08/01/2013 08/02/2013	Maksim Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
Upstream view from Childs Ave. crossing.	
mkhashch_c_20130805_053.JPG	



Levee Mile Report Line	6
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
Downstream view Childs Ave. crossing.	
mkhashch_c_20130805_054.JPG	



Levee Mile Report Line	11
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
Santa Fe Dr. crossing looking upstream.	
mkhashch_c_20130805_055.JPG	

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Channel	Channel Length	Inspection Start/End	Inspector
Miles Creek	12.00	08/01/2013 08/02/2013	Maksim Khashchuk

Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Santa Fe Dr. crossing downstream view, note woody vegetation on right side of channel.

mkhashch\_c\_20130805\_056.JPG



Levee Mile Report Line	21
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Plainsburg Road upstream view.

mkhashch\_c\_20130805\_057.JPG



Levee Mile Report Line	26
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Plainsburg Rd crossing, downstream view, Note woody vegetation on left side of channel.

mkhashch\_c\_20130805\_058.JPG



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable

PO : Partially Obstructing  
CO : Completely Obstructing  
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance  
Channel Inspections**

**Channel Inspection Report By Check Point and View Direction - 2013**

**Merced Streams Group**

Channel	Channel Length	Inspection Start/End	Inspector
Miles Creek	12.00	08/01/2013 08/02/2013	Maksim Khashchuk

Levee Mile Report Line	31
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Upstream view from Gerard Ave. crossing.

mkhashch\_c\_20130805\_059.JPG



Levee Mile Report Line	36
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Downstream view from Gerard Ave. crossing.

mkhashch\_c\_20130805\_060.JPG



Levee Mile Report Line	41
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Upstream view from Whealan Rd. crossing.

mkhashch\_c\_20130805\_061.JPG



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
PO : Partially Obstructing  
CO : Completely Obstructing  
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance  
Channel Inspections**

**Channel Inspection Report By Check Point and View Direction - 2013**

**Merced Streams Group**

Channel	Channel Length	Inspection Start/End	Inspector
Miles Creek	12.00	08/01/2013 08/02/2013	Maksim Khashchuk

Levee Mile Report Line	46
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
Downstream view from Whealan Rd. crossing.	
mkhashch_c_20130805_062.JPG	



Levee Mile Report Line	51
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
Upstream view from Arboleda Dr. crossing.	
mkhashch_c_20130805_063.JPG	



Levee Mile Report Line	56
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
Downstream view from Arboleda Dr. crossing	
mkhashch_c_20130805_064.JPG	

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
PO : Partially Obstructing  
CO : Completely Obstructing  
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Miles Creek	12.00	08/01/2013 08/02/2013	Maksim Khashchuk

Levee Mile Report Line	61
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Upstream view from Orchard Rd. crossing.

mkhashch\_c\_20130805\_065.JPG



Levee Mile Report Line	66
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Downstream view from Orchard Rd. crossing.

mkhashch\_c\_20130805\_066.JPG



Levee Mile Report Line	71
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Vegetation & Obstructions

Upstream view from Miles Rd.

mkhashch\_c\_20130805\_067.JPG

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable

PO : Partially Obstructing  
CO : Completely Obstructing  
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance  
Channel Inspections**

**Channel Inspection Report By Check Point and View Direction - 2013**

**Merced Streams Group**

Channel	Channel Length	Inspection Start/End	Inspector
Miles Creek	12.00	08/01/2013 08/02/2013	Maksim Khashchuk

Levee Mile Report Line	76
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Vegetation & Obstructions

Downstream view from Miles Rd.

mkhashch\_c\_20130805\_068.JPG



Levee Mile Report Line	81
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Vegetation & Obstructions

Upstream view from Coffee St.

mkhashch\_c\_20130805\_069.JPG



Levee Mile Report Line	86
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Vegetation & Obstructions

Downstream view from Coffee St.

mkhashch\_c\_20130805\_070.JPG



**\* Location**

LS : Land Side  
WS : Water Side  
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**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
PO : Partially Obstructing  
CO : Completely Obstructing  
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance  
Channel Inspections**

**Channel Inspection Report By Check Point and View Direction - 2013**

**Merced Streams Group**

Channel	Channel Length	Inspection Start/End	Inspector
Miles Creek	12.00	08/01/2013 08/02/2013	Maksim Khashchuk

Levee Mile Report Line	91
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Upstream view from Healy Rd. crossing.

mkhashch\_c\_20130805\_071.JPG



Levee Mile Report Line	96
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Downstream view from Healy Rd. crossing.

mkhashch\_c\_20130805\_072.JPG



Levee Mile Report Line	101
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Upstream view from Tyler Rd. crossing.

mkhashch\_c\_20130805\_073.JPG



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
PO : Partially Obstructing  
CO : Completely Obstructing  
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Miles Creek	12.00	08/01/2013 08/02/2013	Maksim Khashchuk

Levee Mile Report Line	106
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Downstream view from Tyler Rd. crossing.

mkhashch\_c\_20130805\_074.JPG



Levee Mile Report Line	110
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Encroachments

08/14/2012 View of the chain link fence encroaching into the channel on the left bank.

mkhashch\_c\_20130731\_019.JPG



Levee Mile Report Line	110
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Encroachments

08/14/2012 View of the chain link fence encroaching into the channel on the right bank.

mkhashch\_c\_20130731\_020.JPG



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
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CO : Completely Obstructing  
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Miles Creek	12.00	08/01/2013 08/02/2013	Maksim Khashchuk

Levee Mile Report Line	111
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Upstream view from Reilly Rd. crossing.

mkhashch\_c\_20130805\_075.JPG



Levee Mile Report Line	116
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Downstream view from Reilly Rd. crossing.

mkhashch\_c\_20130805\_076.JPG



Levee Mile Report Line	121
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Upstream view from Highway 59 crossing.

mkhashch\_c\_20130805\_077.JPG

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
PO : Partially Obstructing  
CO : Completely Obstructing  
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance  
Channel Inspections**

**Channel Inspection Report By Check Point and View Direction - 2013**

**Merced Streams Group**

Channel	Channel Length	Inspection Start/End	Inspector
Miles Creek	12.00	08/01/2013 08/02/2013	Maksim Khashchuk

Levee Mile Report Line	126
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Downstream view from Highway 59 crossing.

mkhashch\_c\_20130805\_078.JPG



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
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CO : Completely Obstructing  
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance****Unit Cover Sheet**  
**2013 Channel Inspection Results****Merced Streams Group**

Channel
Owens Creek

Channel Rating	<b>A</b>
Date of Inspection	08/01/2013
DWR Inspector	Maksim Khashchuk
Accompanied By	

**Flood Control Project Maintenance  
Channel Inspections**

**Channel Inspection Report By Check Point and View Direction - 2013**

**Merced Streams Group**

Channel					Channel Length	Inspection Start/End	Inspector		
Owens Creek					2.88	08/01/2013 08/01/2013	Maksim Khashchuk		

  

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
1	Cunningham Rd	Up	Vegetation & Obstructions		A	Inspector Comments: No vegetation within channel noted.	37.289408 ° -120.251939 °	Y	1
2		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present	37.289408 ° -120.251939 °		2
3		Up	Erosion / Bank Caving		A	Inspector Comments: No head cutting or horizontal deviation observed.	37.289408 ° -120.251939 °		3
4		Up	Revetments		N	Inspector Comments: No revetments present at this location.	37.289408 ° -120.251939 °		4
5		Up	Encroachments		M	Inspector Comments: There is a wire fence across the channel on the upstream side attached to the bridge piles, this could be an obstruction during high flows. Needs to be removed or constructed so that it will not cause an obstruction during high flows.	37.289408 ° -120.251939 °	Y	5
6		Down	Vegetation & Obstructions		A	Inspector Comments: Vegetation is present, but not enough to impede flow during high water events.	37.289408 ° -120.251939 °	Y	6
7		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.289408 ° -120.251939 °		7
8		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.289408 ° -120.251939 °		8
9		Down	Revetments		N	Inspector Comments: No revetments present at this location.	37.289408 ° -120.251939 °		9
10		Down	Encroachments		M	Inspector Comments: Debris accumulation under the bridge. May restrict flows during high water event.	37.289408 ° -120.251939 °	Y	10
11	Childs Ave	Up	Vegetation & Obstructions		A	Inspector Comments: Some vegetation, but does not appear to be enough to impede flows.	37.287269 ° -120.254914 °	Y	11
12		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.287269 ° -120.254914 °		12
13		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.287269 ° -120.254914 °		13
14		Up	Revetments		N	Inspector Comments: No revetments present at this location.	37.287269 ° -120.254914 °		14

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
PO : Partially Obstructing  
CO : Completely Obstructing  
N : Not Inspected, see Inspector Comment  
C : Corrected

**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel					Channel Length	Inspection Start/End	Inspector
Owens Creek					2.88	08/01/2013 08/01/2013	Maksim Khashchuk

  

LMR No.	Check Point	View	Item	Location *	Rating **	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
15		Up	Encroachments		A	Inspector Comments: The wire fence across the channel has been cut and it appears that it should not collect debris and block flows.	37.287269 ° -120.254914 °		15
16		Down	Vegetation & Obstructions		A	Inspector Comments: Some minor vegetation present, but will not impede flows.	37.287269 ° -120.254914 °	Y	16
17		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.287269 ° -120.254914 °		17
18		Down	Erosion / Bank Caving		A	Inspector Comments: Some minor bank caving, where channel changes direction, please monitor.	37.287269 ° -120.254914 °	Y	18
19		Down	Revetments		N	Inspector Comments: No revetments present at this location.	37.287269 ° -120.254914 °		19
20		Down	Encroachments		M	Inspector Comments: Wire fence has been placed across the channel, fence is holding debris and needs to be constructed so it will not impede flows during high water events. Note removal of fence may accelerate the erosion at this point. See erosion comment.	37.287269 ° -120.254914 °	Y	20
21	Mission Ave extension	Up	Vegetation & Obstructions		A	Inspector Comments: Minor vegetation but does not appear to be enough to impede flow.	37.272920 ° -120.280840 °	Y	21
22		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.272920 ° -120.280840 °		22
23		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.272920 ° -120.280840 °		23
24		Up	Revetments		A	Inspector Comments: Riprap has been placed on both upstream and downstream side of bridge.	37.272920 ° -120.280840 °		24
25		Up	Encroachments		A	Inspector Comments: No trash, debris or other encroachments noted at this location.	37.272920 ° -120.280840 °		25
26		Down	Vegetation & Obstructions		A	Inspector Comments: Minor downstream vegetation, but does not appear to be enough to impede flow.	37.272920 ° -120.280840 °	Y	26
27		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.272920 ° -120.280840 °		27

**\* Location**

LS : Land Side  
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**\*\* Rating**

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PO : Partially Obstructing  
CO : Completely Obstructing  
N : Not Inspected, see Inspector Comment  
C : Corrected

**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel					Channel Length	Inspection Start/End	Inspector
Owens Creek					2.88	08/01/2013 08/01/2013	Maksim Khashchuk

  

LMR No.	Check Point	View	Item	Location *	Rating **	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
28		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.272920 ° -120.280840 °		28
29		Down	Revetments		M	Inspector Comments: Rip rap has been placed in the channel at its most constricting point, beneath the bridge, this will reduce the flow capacity of the channel. Please remove.	37.272920 ° -120.280840 °	Y	29
30		Down	Encroachments		A	Inspector Comments: No trash, debris or other encroachments noted at this location.	37.272920 ° -120.280840 °		30
31	Diversion at Le Grand Canal, D/S Limit	Up	Vegetation & Obstructions		M	Inspector Comments: Vegetation is thick and obstructing flow.	37.273619 ° -120.277469 °	Y	31
32		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.273619 ° -120.277469 °		32
33		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.273619 ° -120.277469 °		33
34		Up	Revetments		N	Inspector Comments: No revetments present at this location.	37.273619 ° -120.277469 °		34
35		Up	Encroachments		M	Inspector Comments: Possible excavation at this location, which appears to be impeding flow. An earth dam is placed across the channel.	37.273619 ° -120.277469 °	Y	35
36		Down	Vegetation & Obstructions		A	Inspector Comments: Vegetation is noted but not enough to impeded flows.	37.273619 ° -120.277469 °	Y	36
37		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.273619 ° -120.277469 °		37
38		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.273619 ° -120.277469 °		38
39		Down	Revetments		N	Inspector Comments: No revetment observed.	37.273619 ° -120.277469 °		39
40		Down	Encroachments		A	Inspector Comments: No trash, debris or other encroachments noted at this location.	37.273619 ° -120.277469 °		40

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
PO : Partially Obstructing  
CO : Completely Obstructing  
N : Not Inspected, see Inspector Comment  
C : Corrected

**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Owens Creek	2.88	08/01/2013 08/01/2013	Maksim Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
Upstream view from Cunningham Road crossing.	
mkhashch_c_20130805_041.JPG	



Levee Mile Report Line	5
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Encroachments
Wire fence on upstream side of Cunningham crossing.	
mkhashch_c_20130805_042.JPG	



Levee Mile Report Line	6
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
Cunningham crossing downstream view.	
mkhashch_c_20130805_043.JPG	

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable

PO : Partially Obstructing  
CO : Completely Obstructing  
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Owens Creek	2.88	08/01/2013 08/01/2013	Maksim Khashchuk

Levee Mile Report Line	10
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Encroachments

Debris and vegetation accumulated under bridge.

mkhashch\_c\_20130805\_044.JPG



Levee Mile Report Line	11
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Upstream view Childs Ave. crossing.

mkhashch\_c\_20130805\_045.JPG



Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

View of downstream channel at Childs Ave.

mkhashch\_c\_20130805\_046.JPG



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable

PO : Partially Obstructing  
CO : Completely Obstructing  
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Owens Creek	2.88	08/01/2013 08/01/2013	Maksim Khashchuk

Levee Mile Report Line	18
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Erosion / Bank Caving

08/14/2012 View of bank caving.

mkhashch\_c\_20130731\_032.JPG



Levee Mile Report Line	18
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Erosion / Bank Caving

View of the repaired erosion sites.

mkhashch\_c\_20130805\_047.JPG



Levee Mile Report Line	20
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Encroachments

08/14/2012 Wire fence across channel downstream of Childs Ave. crossing.

mkhashch\_c\_20130731\_033.JPG



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
PO : Partially Obstructing  
CO : Completely Obstructing  
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance  
Channel Inspections**

## Channel Inspection Report By Check Point and View Direction - 2013

### Merced Streams Group

Channel	Channel Length	Inspection Start/End	Inspector
Owens Creek	2.88	08/01/2013 08/01/2013	Maksim Khashchuk

Levee Mile Report Line	21
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Upstream view from Mission Ave. crossing.

mkhashch\_c\_20130805\_048.JPG



Levee Mile Report Line	26
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Downstream view from Mission Ave. crossing.

mkhashch\_c\_20130805\_049.JPG



Levee Mile Report Line	29
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Revetments

08/14/2012 Mission Ave. crossing rip rap shown in channel.

mkhashch\_c\_20130731\_036.JPG



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

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CO : Completely Obstructing  
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance  
Channel Inspections**

**Channel Inspection Report By Check Point and View Direction - 2013**

**Merced Streams Group**

Channel	Channel Length	Inspection Start/End	Inspector
Owens Creek	2.88	08/01/2013 08/01/2013	Maksim Khashchuk

Levee Mile Report Line	31
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
Upstream view of Owens Creek at diversion.	
mkhashch_c_20130805_050.JPG	



Levee Mile Report Line	35
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Encroachments
Photo shows what appears to be material placed in the channel, material is overgrown with vegetation.	
mkhashch_c_20130805_051.JPG	



Levee Mile Report Line	36
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
View of downstream from the diversion.	
mkhashch_c_20130805_052.JPG	

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
PO : Partially Obstructing  
CO : Completely Obstructing  
N : Not Inspected, see Inspector Comment

C : Corrected